

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001505**Date Inspected:** 20-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4AW, OBG 4AE, OBG 3BE, OBG 4BW**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**OBG 4AW**

Inside the blasting shop ZPMC ABF and Caltrans QA Lumley performed a joint inspection and tested the chloride levels on the pre-blasted base metal surfaces. All values recorded were less than 10us/cm. No International Protective Coatings representative present during this testing. Abrasive blasting began on this segment.

**OBG 4AE**

ZPMC & ABF QA representatives together with Caltrans QA Lumley performed joint abrasive blast inspections of box girder base metal faying surfaces ZPMC & ABF QA/QC representatives monitored ambient conditions and obtained profiles. Profile range was 76-79 um on these base metal surfaces after blasting. ZPMC applied Interzinc 22 to these surfaces outside the blasting shop.

**OBG 3BE**

ZPMC & ABF QA representatives together with Caltrans QA Lumley performed joint abrasive blast inspections of box girder base metal faying surfaces ZPMC & ABF QA/QC representatives monitored ambient conditions and obtained profiles. Profile range was 77-82 um on these base metal surfaces after blasting. ZPMC applied Interzinc 22 to these surfaces outside the blasting shop.

**OBG 4BW**

ZPMC & ABF QA representatives together with Caltrans QA Lumley performed joint abrasive blast inspections of box girder base metal faying surfaces ZPMC & ABF QA/QC representatives monitored ambient conditions and

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## SOURCE INSPECTION REPORT

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obtained profiles. Profile range was 72-80 um on these base metal surfaces after blasting. ZPMC applied Interzinc 22 to these surfaces outside the blasting shop.

### Summary of Conversations:

No relevant discussions on this date..

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Miller,Mark	QA Reviewer

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